

SEQUENCE LISTING.ST25.txt  
SEQUENCE LISTING

<110> Washington University in St. Louis  
Bao, Jianxin

<120> NEUREGULIN PROTEIN REGULATION OF SYNAPTIC PROTEINS

<130> 104916

<160> 41

<170> PatentIn version 3.3

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<212> PRT

<213> Homo sapiens

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20 25 30

His Pro Asn Pro Pro Pro Asp Asn Val Gln Leu Val Asn Gln Tyr Val  
35 40 45

Ser Lys Asn Ile Ile Ser Ser Glu Arg Val Val Glu Arg Glu Thr Glu  
50 55 60

Thr Ser Phe Ser Thr Ser His Tyr Thr Ser Thr Thr His His Ser Met  
65 70 75 80

Thr Val Thr Gln Thr Pro Ser His Ser Trp Ser Asn Gly His Thr Glu  
85 90 95

Ser Ile Leu Ser Glu Ser His Ser Val Leu Val Ser Ser Ser Val Glu  
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Asn Ser Arg His Thr Ser Pro Thr Gly Pro Arg Gly Arg Leu Asn Gly  
115 120 125

Ile Gly Gly Pro Arg Glu Gly Asn Ser Phe Leu Arg His Ala Arg Glu  
130 135 140

Thr Pro Asp Ser Tyr Arg Asp Ser Pro His Ser Glu Arg Tyr Val Ser  
145 150 155 160

Ala Met Thr Thr Pro Ala Arg Met Ser Pro Val Asp Phe His Thr Pro  
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Thr Ser Pro Lys Ser Pro Pro Ser Glu Met Ser Pro Pro Val Ser Ser  
180 185 190

Leu Thr Ile Ser Ile Pro Ser Val Ala Val Ser Pro Phe Met Asp Glu  
195 200 205

Glu Arg Pro Leu Leu Leu Val Thr Pro Pro Arg Leu Arg Glu Lys Tyr  
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Asp Asn His Leu Gln Gln Phe Asn Ser Phe His Asn Asn Pro Thr His  
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Glu Ser Asn Ser Leu Pro Pro Ser Pro Leu Arg Ile Val Glu Asp Glu  
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Glu Tyr Glu Thr Thr Gln Glu Tyr Glu Pro Ala Gln Glu Pro Pro Lys  
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Lys Leu Thr Asn Ser Arg Arg Val Lys Arg Thr Lys Pro Asn Gly His  
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Ile Ser Ser Arg Val Glu Val Asp Ser Asp Thr Ser Ser Gln Ser Thr  
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Ser Ser Glu Ser Glu Thr Glu Asp Glu Arg Thr Gly Glu Asp Thr Pro  
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Phe Leu Ser Ile Gln Asn Pro Met Ala Thr Ser Leu Glu Pro Ala Ala  
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Ala Tyr Arg Leu Ala Glu Asn Arg Thr Asn Pro Ala Asn Arg Phe Ser  
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Leu Arg Ser Glu Arg Asn Asn Val Met Asn Met Ala Asn Gly Pro His  
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His Pro Asn Pro Pro Pro Asp Asn Val Gln Leu Val Asn Gln Tyr Val  
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Val Asp Phe His Thr Pro Thr Ser Pro Lys Ser Pro Pro Ser Glu Met  
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Ser Pro Pro Val Ser Ser Leu Thr Ile Ser Ile Pro Ser Val Ala Val  
35 40 45

Ser Pro Phe Met Asp Glu Glu Arg Pro Leu Leu Leu Val Thr Pro Pro  
50 55 60

Arg Leu Arg Glu Lys Tyr Asp Asn His Leu Gln Gln Phe Asn Ser Phe  
65 70 75 80

His Asn Asn Pro Thr His Glu Ser Asn Ser Leu Pro Pro Ser Pro Leu  
85 90 95

Arg Ile Val Glu Asp Glu Glu Tyr Glu Thr Thr Gln Glu Tyr Glu Pro  
100 105 110

Ala Gln Glu Pro Pro Lys Lys Leu Thr Asn Ser Arg Arg Val Lys Arg  
115 120 125

Thr Lys Pro Asn Gly His Ile Ser Ser Arg Val Glu Val Asp Ser Asp  
130 135 140

SEQUENCE LISTING.ST25.txt

Thr Ser Ser Gln Ser Thr Ser Ser Glu Ser Glu Thr Glu Asp Glu Arg  
145 150 155 160

Thr Gly Glu Asp Thr Pro Phe Leu Ser Ile Gln Asn Pro Met Ala Thr  
165 170 175

Ser Leu Glu Pro Ala Ala Ala Tyr Arg Leu Ala Glu Asn Arg Thr Asn  
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20 25 30

Gln Cys Gly Ala Ser Phe Thr Gln Lys Gly Asn Leu Leu Arg His Ile  
35 40 45

Lys Leu His Ser Gly Glu Lys Pro Phe Lys Cys Pro Phe Cys Asn Tyr  
50 55 60

Ala Cys Arg Arg Arg Asp Ala Leu Thr Gly His Leu Arg Thr His Ser  
65 70 75 80

Val Ser Ser Pro Thr Val Gly Lys Pro Tyr Lys Cys Asn Tyr Cys Gly  
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Arg Ser Tyr Lys Gln Gln Ser Thr Leu Glu Glu His Lys Glu Arg Cys  
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His Asn Tyr Leu  
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Gly Glu His Lys Val Gly  
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20 25 30

Gly Phe Arg Asp Pro Phe Glu Cys Asn Ile Cys Gly Tyr His Ser Gln  
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Asp Arg Tyr Glu Phe Ser Ser His Ile Val Arg Gly Glu His Lys Val  
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Gly  
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Cys Glu His Cys Arg Ile Leu Phe Leu Asp His Val Met Phe Thr Ile  
20 25 30

SEQUENCE LISTING.ST25.txt

His Met Gly Cys His Gly Phe Arg Asp Pro Phe Glu Cys Asn Ile Cys  
35 40 45

Gly Tyr His Ser Gln Asp Arg Tyr Glu Phe Ser Ser His Ile Val Arg  
50 55 60

Gly Glu His Lys Val Gly  
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Asp Ala Ala Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr  
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Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro  
20 25 30

Val Glu Cys Glu His Cys Arg Ile Leu Phe Leu Asp His Val Met Phe  
35 40 45

Thr Ile His Met Gly Cys His Gly Phe Arg Asp Pro Phe Glu Cys Asn  
50 55 60

Ile Cys Gly Tyr His Ser Gln Asp Arg Tyr Glu Phe Ser Ser His Ile  
65 70 75 80

Val Arg Gly Glu His Lys Val Gly  
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Gln Arg Lys Lys  
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Gln Arg Lys Leu  
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# SEQUENCE LISTING.ST25.txt

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